



BIOLOGY NMDCAT EARLIER PREP PMC UNIT WISE TEST Unit-11

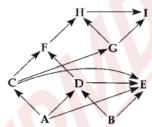
TOPICS:

- **✓** Ecosystem
- ✓ Evolution
- Q.1 The ultimate source of energy in an ecosystem is:
 - A. Photosynthesis
 C. Sun
 B. Plants
 D. Water
- Q.2 The decline in the thickness of ozone layer is caused by:
 - A. Increasing level of nitrogen oxide

 B. Decreasing level of O2
 - C. Decreasing level of CFCs

 D. Increasing level of CFCs
- Q.3 Subtraction of which of the following will convert gross primary productivity into n et primary productivity?
 - A. Energy present in crop

 B. Energy used by heterotrophs in respiration
 - C. Energy used by autotrophs in respiration D. All solar energy
- Q.4 Consider the following food web.



If this were a terrestrial food web, the combined biomass of C+D would probably be:

- A. Greater than the biomass of A
- B. Less than the biomass of H
- C. Greater than the biomass of B
- D. Less than the biomass of A + B
- Q.5 The pioneers in xerach succession is the:
 - A. Crustose lichen

B. Mosses

C. Foliose lichen

- D. Shrubs
- Q.6 All the statements are correct regarding ecological succession except:
 - A. It is a random process
- B. Species diversity increases with succession
- C. Food chain relationships becomes complex D. More decomposer function
- Q.7 Which of the following describes a successional event in which one organism makes the environment more suitable for another organism?
 - A. Parasitism

 B. Mutualism
 - C. Inhibition D. Facilitation
- Q.8 Which of the following terms best describes the interaction between termites and the protozoans that feed in their gut?
 - A. Commensalism B. Mutualism
 - C. Competitive exclusion D. Ectoparasitism
- Q.9 Which is correctly paired with its effects on the density of the two interacting population?
 - A. Predation : As one increases, the other also increases
 - B. Parasitism: Both populations decrease
 - C. Commensalism: As one increases the other remains same
 - D. Mutualism: Both decrease
- Q.10 Which of the following describes the relationship between legumes and nitrogen-fixing bacteria?
 - A. Parasitism
 C. Inhibition
 B. Mutualism
 D. Facilitation
- Q.11 In the nitrogen cycle, the bacteria that replenish the atmosphere with N_2 are:
 - A. Rhizobium bacteria B. Nitrifying bacteria
 - C. Denitrifying bacteria D. Methanogenic protozoans
- Q.12 Which of the following is the most direct threat to biodiversity?
 - A. Increased levels of atmospheric CO₂ B. The depletion of the ozone layer
 - C. Overexploitation of species D. Habitat destruction





Q.13	The main contributors of acid rain are:										
	A. Sulphur oxides and carbon oxides	B. Nitrogen oxides and sulphur oxides									
	C. Carbon dioxide and carbon monoxide	D. Nitrogen oxides and carbon oxides									
Q.14	The damage caused by acid rain is due to	nature of acid rain.									
	A. Balancing	B. Protecting									
	C. Withstanding	D. Corrosive									
Q.15	Which of the following causes an increase in	the intensity of UV-radiations reaching the									
	earth?										
	A. Depletion of atmospheric ozone	B. Turnover									
	C. Biological magnification	D. Greenhouse effect									
Q.16	Algal bloom is caused by:										
	A. Availability of excess nutrients	B. Increase in non-degradable nutrients									
	C. Lack of nutrients	D. Decreased BOD									
Q.17	Due to eutrophication										
	A. Water gets harmful	B. BOD decreases									
	C. Algae are destroyed	D. BOD increases									
Q.18	Chemicals used for destroying agricultur	al competitors are known as:									
	A. Antibiotics	B. Disinfectants									
	C. Pesticides	D. Chemotherapeutic agents									
Q.19											
	A. Biogeochemical cycles	B. Bio element cycles									
	C. Biochemical cycles	D. Geochemical cycles									
Q.20	Ozone filters ultraviolet radiations from	the sun in the upper:									
	A. Biosphere	B. Lithosphere									
	C. Atmosphere	D. Hydrosphere									
Q.21	How denitrification does occur in soils?										
	A. Bacterial reduction of NO ₃ ions to N ₂ gas	B. Active uptake of Nitrate ions by plant roots									
	C. Drainage of manure from fields	D. Leaching of nitrate ions									
Q.22	A parasite, living inside body of the host i	is called:									
	A. Ectoparasite	B. Facultative parasite									
	C. Obligate parasite	D. Endoparasite									
Q.23	The organism of third trophic level are:										
	A. Primary consumer	B. Tertiary consumer									
	C. Primary producer	D. Secondary consumer									
Q.24	All the food chains and food webs begin v	vith:									
	A. Detritus	B. Omnivores									
	C. Green plants	D. Herbivores									
Q.25	Light rays from the sun are absorbed by CO	O ₂ and re-radiate as radiations.									
	A. Ultraviolent	B. Infra-Red									
	C. Indigo	D. Green									
Q.26	The bacteria in the root nodules, fix	nitrogen in soil from air, converting it									
	into, which host uses.										
	A. Nitrites	B. Amino acids									
	C. Nitrates	D. Proteins									
Q.27		~ ·									
	A. Creation	B. Evolution									
	C. Sudden mutation	D. Revolution									
Q.28	The one who believed in theory of special	creation is:									
	A. C. Linnaeus	B. J.G. Mendel									
	C. J. D. Lamarck	D. C. Lyell									
Q.29	In Lamarck's view, the key of organic ev	olution is that each progeny:									
	A. Shows struggle for existence										
	B. Characters acquired by parental generation	on are inherited									
	C. Is similar to its parents										
	D. Phylogeny is repeated in its ontogeny										





Q.30	Origin of life is explained by all except:	
	A. Endosymbiont hypothesis	B. Creationism
	C. Hydrothermal vent hypothesis	D. Chemical evolution
Q.31	About which of these did Darwin have a	poor understanding?
	A. Individuals exhibit variation	B. Much of the variation inherited
	C. Individuals struggle for survival	D. Sources of genetic variation
Q.32	Which of this evolutionary agent is most co	onsistent at causing populations to become
	better suited to their environments over the	e course of generations?
	A. Mutation	B. Non-random mating
	C. Gene flow	D. Natural selection
Q.33	Natural selection is most nearly the same	as:
	A. Diploidy	B. Gene flow
	C. Genetic drift	D. Differential reproductive success
Q.34	The Darwinian fitness of an individual is	measured directly by:
	A. Number of its offspring that survive to re	eproduce
	B. Number of 'good genes' it possesses	
	C. Number of mates it attracts	
	D. Physical strength	
Q.35	Charles Darwin was the first person to pr	ropose that:
	A. Evolution occurs	B. Mechanism of evolution occurs
	C. Earth is older than a few thousand years	D. Mechanism for evolution with evidence
Q.36	Which of the following is not a vestigial o	rgan in human body?
	A. Wisdom teeth	B. Ear muscle
	C. Appendix	D. Sacrum
Q.37	The animal species on the Galapagos rese	emble species living on the:
	A. North American mainland	B. Great Britain
	C. South American mainland	D. Northern Europe
Q.38	Production of more individuals than the	environment can support leads to:
	A. Struggle for existence	B. Natural selection
	C. Survival of the fittest	D. Evolution
Q.39	In which rocks most fossils are found?	
	A. Metamorphic	B. Sedimentary
	C. Igneous	D. Sand
Q.40	Which of the following are not the examp	ole of analogous structure:
	A. Wings of bats and butterfly	B. Thorn and spine
	C. Wings of bats and forelimb of cattle	D. Wings of bats and sparrow
Q.41	Which of the following branch first sugge	ested the idea of evolution to Darwin?
	A. Zoogeography	B. Phytogeography
	C. Biogeography	D. Geography
Q.42	Which of the following animal lives only	
	A. Kangaroo	B. White rat
	C. Armadillos	D. American python
Q.43		ll biology, the ancestors of all life forms
	belongs to:	
	A. Protists	B. Eukaryotes
	C. Prokaryotes	D. Fungus-like protists
Q.44	Oldest vertebrate fossils are of:	
	A. Dinosaur	B. Archaeopteryx
	C. Fishes	D. Prokaryote
Q.45	Most appropriate group of mediums for	
	A. Sand, resin and ice	B. Rock, magma and ice
_	C. H ₂ O, dust and smoke	D. Resin, amber and air
Q.46	Almost same skeletal elements make up f	<u>-</u>
	A. Humans	B. Bats
	C. Cats	D. Silver fish





Q.47 Arms, wings, flippers and forelegs of different mammals are variations on common anatomical theme present:

A. Convergent evolution B. Organic evolution

C. Divergent evolution D. Speciation

Q.48 Comparative anatomy supports that evolution is a ______ process in which ancestral structures that functioned in one capacity become modified as they take on new function.

A. Continuous B. Discontinuous

C. Remodeling D. Complete

Q.49 What are fossils?

A. Dead remains of organisms

B. Traces of primitive organisms

C. Impression of former organisms D. All A, B, C

Q.50 Evolutionary relationship among specie are reflected at molecular level in their:

A. DNA and protein B. DNA and carbohydrates

C. DNA and lipids D. DNA and RNA

													-	41- C	41- C	43-C	44-C	45-A	46- D	47-C	48.C	49-D	50-A	
		21- A	22- 8	A3-A	A4-A	25-0	2-98	27-B	28.C	29-A	30-6	Biolosy	31-D 41-C	32.D	33-0	34-A	35-0	96-0	37-C	38-A	39-6	40-C		
CTS#11	ish	11- A	12 - C	13. p	14-B	15-8	H-97	11-D	7-81	7-61	4-07		RSO	21- A	22-D	23-10	24-6	25-B	36-8	27-8	A8-A	29.8	30. A	
	English											Biel		11- C	12.0	13.6	14-D	15- A	16- A	17-0	18-6	19. A	20-C	
		- 8	3-8	3-P	7-h	5-8	6-A	7-10	2-8	9-A	4-01			1-0	2-0	3-6	Q-h	5-A	4-9	7.0	8-8	9.C	10-B 20-C	
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